

10/566375
IAP5 Rec'd PCT/PTO 30 JAN 2006

**THE FOLLOWING ARE THE ENGLISH TRANSLATION
OF ANNEXES TO THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT (ARTICLE 34):**

Amended Sheets (Pages 8 and 9)

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AS ENCLOSED TO IPRP

We claim:-

5 1. A process for the preparation of aqueous solutions of epichlorohydrinamine polymers, comprising the following process steps:

10 (a) Reaction of at least two different amines with at least one epichlorohydrin derivative as an alkylating agent in water over a period which is sufficient for free alkylating agents to be no longer detectable, a reaction mixture (I) resulting;

(b) if appropriate, cooling of the reaction mixture (I) resulting from process step (a);

15 (c) addition of at least one acid and, if appropriate, water to this reaction mixture (I) until the pH of the reaction mixture (I) is from 4 to 10, a reaction mixture (II) resulting, and

(d) if appropriate, reaction of the reaction mixture (II) with a cationizing agent, wherein the amines are dimethylaminopropylamine and benzylamine.

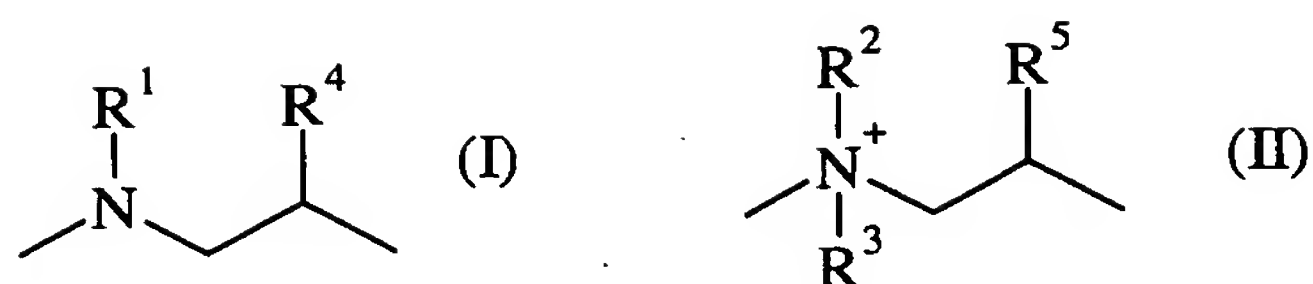
20 2. A process as claimed in claim 1, wherein the at least one epichlorohydrin derivative is selected from the group consisting of α -epichlorohydrin, bisepoxides, bischlorohydroxy compounds and phosgene.

25 3. A process as claimed in claim 1 or 2, wherein the ratio of amines to epichlorohydrin derivative or derivatives is from 0.8 : 1.2 to 1.2 : 0.8.

4. A process as claimed in any of claims 1 to 3, wherein the reaction in process step (a) is effected at from 40 to 100°C.

30 5. An epichlorohydrinamine polymer obtainable by a process as claimed in any of claims 1 to 4.

35 6. An epichlorohydrinamine polymer as claimed in claim 5, wherein the polymer has at least two general structural units (I) and (II)



where R^1 , R^2 , R^3 , R^4 and R^5 have the following meanings:

R^1 and R^2 : $-(CH_2)_3N(CH_3)_2$, $-CH_2C_6H_5$, $-(CH_2)_2NH_2$, $-(CH_2)_2OH$,
 $-(CH_2)_2NH(CH_2)_2NH_2$

R^3 : H, alkyl

R^4 and R^5 : H or OH.

7. An epichlorohydrinamine polymer as claimed in claim 5 or 6, wherein the amine and/or ammonium units are derived from dimethylaminopropylamine and benzylamine, the amine and/or ammonium units being composed of from 0.5 to 0.8 part of dimethylaminopropylamine and from 0.2 to 0.5 part of benzylamine.
8. An epichlorohydrinamine polymer as claimed in any of claims 5 to 7, wherein the polymer has a weight average molecular weight of from $1 \cdot 10^2$ to $2 \cdot 10^5$ g/mol.
9. The use of an epichlorohydrinamine polymer as claimed in any of claims 5 to 8 for the surface treatment of semifinished leather products.